

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
25 March 2004 (25.03.2004)

PCT

(10) International Publication Number
WO 2004/024213 A2

- (51) International Patent Classification⁷: **A61M**
- (21) International Application Number:
PCT/US2003/028889
- (22) International Filing Date:
12 September 2003 (12.09.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/410,601 12 September 2002 (12.09.2002) US
60/497,892 25 August 2003 (25.08.2003) US
- (71) Applicant (for all designated States except US): **THE GOVERNMENT OF THE UNITED STATES, AS REPRESENTED BY THE SECRETARY OF THE DEPARTMENT OF HEALTH AND HUMAN SERVICES** [US/US]; 6011 Executive Boulevard, Suite 325, Rockville, MD 20852-3804 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **KRAUS, Carl, N.** [US/US]; 408 Ridgepoint Place, Gaithersburg, MD 20878

(US). **BARRY, Clifton, E.** [US/US]; 200 Congressional Lane, Rockville, MD 20852 (US). **DOAN, Bernardan, T.** [US/US]; 7757 Marshall Heights Court, Falls Church, VA 22043 (US).

(74) Agents: **HYMAN, Laurence, J. et al.**; Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8th Floor, San Francisco, CA 94111-3834 (US).

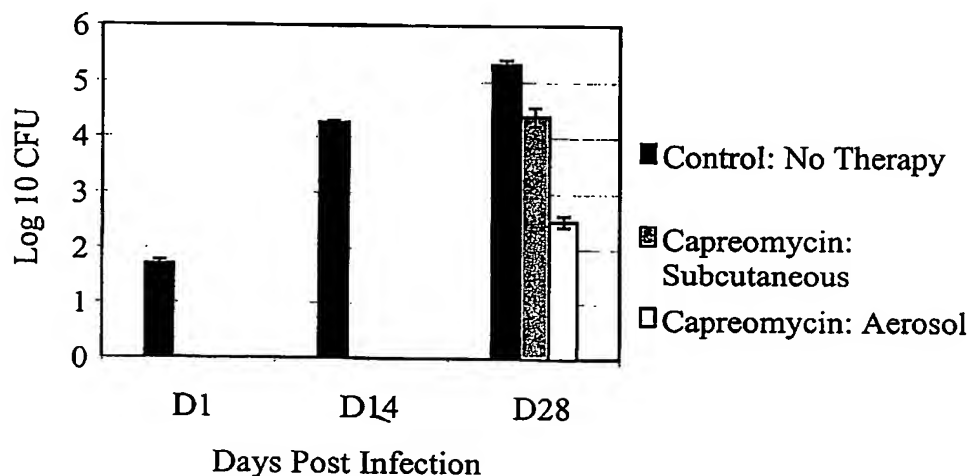
(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: **AEROSOLIZED CAPREOMYCIN FOR INHIBITION OF PULMONARY TUBERCULOSIS**

Capreomycin: Aerosol vs Subq Administration - Lung Log₁₀ CFU



(57) Abstract: The invention provides systems, methods, and compositions for the aerosolized administration of capreomycin to persons in need thereof. Administration of capreomycin by aerosol can be used to reduce the infectivity of persons with tuberculosis, or to reduce the severity or duration of a tuberculosis infection. The invention further provides for the use of capreomycin for the manufacture of a medicament for aerosolized administration to a person in need thereof.

BEST AVAILABLE COPY

WO 2004/024213 A2



Declaration under Rule 4.17:

- of inventorship (Rule 4.17(iv)) for US only

Published:

- without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

BEST AVAILABLE COPY